

## SEQUENCE LISTING

<110> METHEXIS NV

<120> SEQUENCING BY A COMBINATION OF MONONUCLEOTIDE-SPECIFIC  
DIGESTION AND MASS SPECTROMETRY

<130> 29314/35410A

<140>

<141>

<150> 60/131,984

<151> 1999-04-30

<160> 30

<170> PatentIn Ver. 2.1

<210> 1

<211> 120

<212> DNA

<213> Homo sapiens

<220>

<223> exon 5 of human p53

<400> 1

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tgggttgatt ccacaccccc gcccggcacc cgcgtccgag ccattggccat ctacaagcag 120

<210> 2

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

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<223> pGEM3-Zf(+) derived nucleotide

<400> 2

gtaaaacgac ggccagtga ttgtaatacg actcactata

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<210> 3

<211> 972

<212> DNA

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<220>

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<223> pGEM3-Zf(+) derived nucleotide

<400> 3

gggcgaattc gagctcggtt cccggggatc ctctagagtc gacctgcagg catgcaagct 60  
tgagtattct atagtgtcac ctaaatagct tggcgtaatc atggtcatag ctgtttcctg 120  
tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgtg 180

- 2 -

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aagcctgggg tgcctaata gtagagtaac tcacattaat tgcgttgccg tcaactgccc 240
ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcgcccaa cgcgcgggga 300
gaggccggtt gcgtattggg cgtcttccg cttcctcgt cactgactcg ctgcgctcgg 360
tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag 420
aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc 480
gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg cccccctgac gagcatcaca 540
aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt 600
ttccccctgg aagctccctc gtgcgctctc ctgttccgac cctgccgctt accggatacc 660
tgtccgcctt tctccctcg ggaagcgtgg cgctttctca tagctcacgc tgtagggtatc 720
tcagttcggg ttaggtcgtt cgctccaagc tgggctgtgt gcacgaaccc cccgttcagc 780
ccgaccgctg cgccttatcc ggtaactatc gtcttgagtc caaccggta agacacgact 840
tatcgccact ggcagcagcc actggtaaca ggattagcag agcgagggtat gtaggcgggtg 900
ctacagagtt cttgaagtgg tggcctaact acggetacac tagaagaaca gtatttggtg 960
tctgcgctct gc 972

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&lt;210&gt; 4

&lt;211&gt; 131

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: synthetic

&lt;220&gt;

&lt;223&gt; PCR products and transcripts

&lt;400&gt; 4

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taatacgact cactataggg cgacttcacg aagacgggtga aactgttggg tccaattctt 60
acccacacaa atacaacaac tacgaagggt ttgatttctc tgtgagctct cctactacg 120
aatggcctat c 131

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&lt;210&gt; 5

&lt;211&gt; 134

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PCR products and transcripts

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: synthetic

&lt;400&gt; 5

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taatacgact cactataggg cgaattcgta gtagggagag ctacacagaga aatcaaaacc 60
ttcgtagttg ttgtatttgt gtgggtaaga attggatcca acagtttcac cgtcttcgtg 120
aagtttatat ccgg 134

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&lt;210&gt; 6

&lt;211&gt; 45

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: synthetic

&lt;220&gt;

&lt;223&gt; reference nucleotide

&lt;400&gt; 6

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<210> 7  
<211> 45  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: synthetic

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<223> mutant 1

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<210> 8  
<211> 45  
<212> DNA  
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<210> 9  
<211> 45  
<212> DNA  
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<210> 10  
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<212> DNA  
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<210> 11  
<211> 45

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&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: synthetic

&lt;220&gt;

&lt;223&gt; mutant 5

&lt;400&gt; 11

ggatccaatt cttacccaca caaatacaac acgtacgaag gtttt

45

&lt;210&gt; 12

&lt;211&gt; 45

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: synthetic

&lt;220&gt;

&lt;223&gt; mutant 6

&lt;400&gt; 12

ggatccaatt cttacccaca ccagtacaac aactacgaag gtttt

45

&lt;210&gt; 13

&lt;211&gt; 45

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: synthetic

&lt;220&gt;

&lt;223&gt; mutant 7

&lt;400&gt; 13

ggatccgcgt cttacccaca caaatacaac aactacgaag gtttt

45

&lt;210&gt; 14

&lt;211&gt; 45

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: synthetic

&lt;220&gt;

&lt;223&gt; mutant 8

&lt;400&gt; 14

ggatccaatt cttacccaca caaatacaag aatttcgaag gtttt

45

&lt;210&gt; 15

&lt;211&gt; 13

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

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<220>  
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<400> 15  
ctagccccc atc 13

<210> 16  
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<212> DNA  
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ccggatataa acttcacgaa gacgg 25

<210> 17  
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<220>  
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<400> 17  
gataggccat tcgtagtagg gagagc 26

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<220>  
<223> reference fragment

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<210> 23  
<211> 10  
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<220>  
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<210> 24  
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<220>  
<223> RNase-A digestion products

<220>  
<223> Description of Artificial Sequence: synthetic

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<400> 24  
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15

<210> 25  
<211> 12  
<212> DNA  
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<220>  
<223> RNase-A digestion products

<220>  
<223> Description of Artificial Sequence: synthetic

<400> 25  
acccacacaa at

12

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<223> RNase-A digestion products

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cacgaagacg gt

12

<210> 27  
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